

(19) World Intellectual Property
Organization
International Bureau



18 MAR 2005



(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/027676 A2

(51) International Patent Classification⁷: **G06F 19/00**

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(21) International Application Number:
PCT/GB2003/004029

(22) International Filing Date:
18 September 2003 (18.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0221713.1 18 September 2002 (18.09.2002) GB

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **TELEMEDICINE SYSTEM**

(57) **Abstract:** A telemedicine system for monitoring chronic conditions such as asthma or diabetes includes an electronic measurement device such as an electronic peak expiratory flow meter or an electronic blood glucose meter, connected to a GPRS cellular telephone. The cellular telephone automatically receives, formats and transmits the data on acquisition by the medical device to a remote server. The server may acknowledge the data and make the data available to a clinician. The server may also analyse the data and provide automatic alerts to the patient and/or clinician in the event of the data causing concern. The formatting and transmission of the data from the telephone to the server occurs in real time as the measurements are taken and is invisible to the patient.

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